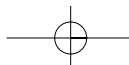


# **User's Manual**

## **S500*e* CDMA 1X Cellular Phone**





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## Safety Precautions

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see "Safety Information on page 78".

### Road safety comes first

Do not use a hand-held mobile phone while driving; park the vehicle first. Remember that in some countries, it is illegal to use a mobile phone while driving.

### Switch off when refueling

Do not use the phone at a refueling point (service station) or near fuels or chemicals.

### Switch off on aircraft

Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

### Switch off in hospital

Follow any regulations or rules. Switch phone off near medical equipment.

### Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

### Interference

All wireless phones may be subject to radio interference, which may affect their performance.

### Use qualified service

Only qualified service personnel must repair your phone, batteries and accessories.

### Use sensitively

Use only in the normal position (to ear). Do not touch the antenna unnecessarily when the phone is switched on.

## Accessories and batteries

Use only approved accessories and batteries.

### Radio frequency exposure information

In August 1996, the Federal Communications Commission (FCC) of the U.S. adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. These guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

To maintain compliance with FCC RF exposure guidelines, if you wear a hand-set on your body, use the supplied or approved carrying case, holster, or other body-worn accessory.

If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.5cm) from your body when transmitting. Use of non-approved accessories may violate FCC RF exposure guidelines.

### Declaration of Conformity

We, Synertek, Inc., declare under our sole responsibility that the projects S500e to which this declaration relates, are in conformity with the following standards and/or other normative documents.

Radio: ETSI EN 301 908-01 V2.2.1(2003-10),  
ETSI EN 301 908-04 V2.2.1(2003-10),  
ETSI EN 301 511 V9.0.2(2003-03)  
TIA/EIA-98-E

EMC: ETSI EN 301 498-01 V1.4.1(2002.08),  
ETSI EN 301 498-07 V1.1.1(2000.09)

Safety: CENELEC EN 60950:2000,  
CENELEC EN 50371:2002,  
CENELEC EN 50361:2001

We hereby declare that all essential radio test suites have been carried out and the about named product is in conformity to all the essential requirements of Directive 1999/5/EC. **CE 0980** ①



### Manufacturer Information

Synertek, Inc.

Rm. #3808 Trade Tower, World Trade Center 159-1 Samsung-dong  
Kangnam-ku Seoul 135-729, Korea

### Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger or any accessory:

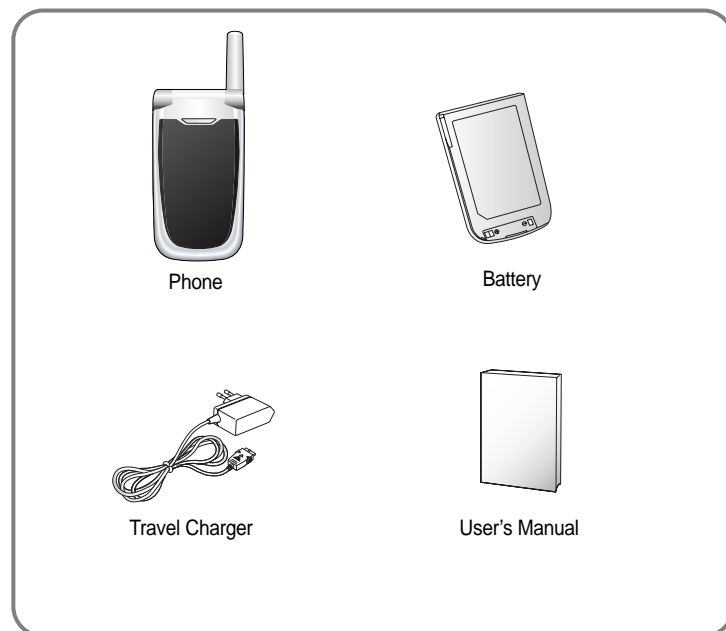
- 1** Keep it and all its parts and accessories out of small children's reach.
- 2** Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- 3** Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- 4** Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- 5** Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- 6** Do not drop, knock or shake it. Rough handling can break internal circuit boards.

- 7** Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap and water solution.
- 8** Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- 9** Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may violate regulations governing radio devices.
- 10** If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.
- 11** **Please do not allow metal objects to contact the antenna terminals. It may affect to decrease the sensitivity of radio frequency.**
- 12** **Keep out fire, wet, breakdowns, short-circuit & improper power source.**



## Unpacking

Your phone contains the following items.



In addition, you can obtain the following accessories for your phone from your local dealer:

- Cigarette lighter charger
- Standard and extended Li-ion batteries
- Serial Data cable
- USB Data cable (with charging function)
- Ear-microphone (Headset)

## Your Phone

### Part of Your Phone

The following illustrations show the main elements of your phone.



With the phone open

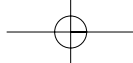






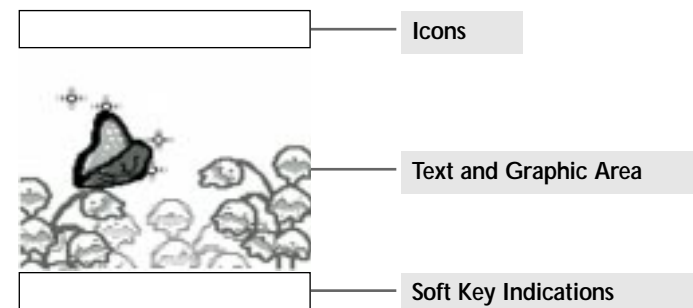
## Part of Your Phone (Continued)

Key	Description
	Two soft keys perform the functions indicated by the text above them (on the bottom line of the display).
	In the menu facility, scroll through the menu options and Phonebook memory. In Standby mode, the  key to view SMS Inbox List, the  key to view Write New for SMS, the  key to view the Phonebook Search by Name and the  key to view the Phonebook Menu. The  key or <b>Set</b> soft key confirms your selection or entry.
	Makes or answers a call. In Standby mode, recalls the last number dialed.
	Ends a call. Also switches the phone on and off when pressed and held. In the menu facility, returns to the Standby mode and cancels your input.
	Enter numbers, letters and some special characters.
	Use these keys for various special functions.
	(on the side of the phone) During a call, adjusts the voice volume. In Standby mode, adjusts the key tone volume.

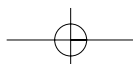


## Display (Main LCD)

The display comprises three areas.



Area	Description
<b>First line</b>	Displays various pico icons (see the Icon section).
<b>Middle line</b>	Displays messages, instructions and any information that you enter (number to be dialed, for example).
<b>Last line</b>	Shows the functions currently assigned to the two soft keys.





## Icons

	<b>Signal strength</b>	Shows the received signal strength. The greater the number of bars, the better the signal strength.
	<b>Service</b>	Appears when a call is in progress.
	<b>No Service</b>	Appears when you are outside a service area. With it displayed, you cannot make or receive calls.
	<b>New Message</b>	Indicates that there is a new message waiting to be checked, regardless of the message type.
	<b>Vibration</b>	Once this option is set, the phone vibrates when a incoming call or a message comes.
	<b>Alarm</b>	Appears when you set an alarm clock.
	<b>Battery status</b>	Shows the level of your battery. The more bar you see, the more power you have left.
	<b>Voice Message</b>	Appears when you receive a voice message.
	<b>Silent (LED)</b>	Appears when Call Alert Type is set Silent (LED)
	<b>Today Schedule</b>	Indicates that there is a today schedule.
	<b>Roaming</b>	Appears when you are out of your home area and have registered with a different network (when traveling in other countries, for example).

## Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the Backlight option set in the **Display – Backlight menu (1–5)**.

To specify the length of time the phone waits before the backlight turns off, set the Backlight menu.

## Getting Started

### Installing a RUIM Card

When you subscribe to a mobile network, you are provided with a plug-in RUIM card loaded with your subscription details (PIN, optional services available and so on).

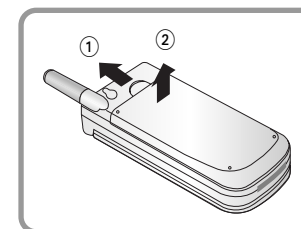
#### Note

The plug-in RUIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card. Follow the instructions supplied with the RUIM card. Keep all RUIM cards out of the reach of small children.

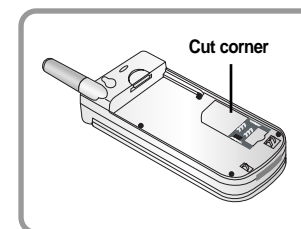
**1** Switch the phone off to press and hold down the key.

**2** To remove the battery:

- ① Pull the battery lock above the battery toward the top of the phone and hold it in the position.
- ② Lift the battery away, as shown.



**3** Insert RUIM card into the cardholder. Be sure that cut corner is at the top left and the gold contacts of the card face into the phone.



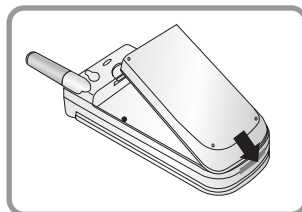
WARNING!

Don't insert SIM card of GSM service operator. Your phone supports only CDMA RUIM card.

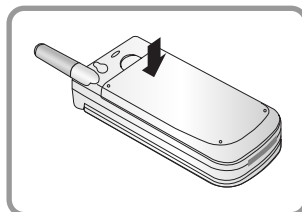


#### 4 To reinstall the battery:

- ① Place the battery so that the tabs on it align to the notches at the bottom of the phone.



- ② Push the battery down until it clicks into place. Make sure that the battery is properly installed before switching on the phone.



### Charging a Battery

Your phone is powered by a rechargeable Li-ion battery.

A travel charger is provided with your phone in standard sales package. Use only approved batteries and chargers. Ask your local dealer for further details.

#### Note

You must fully charge the battery before using your phone for the first time. The phone can be used while the battery is charging.  
Full Charging Time : About 150 minutes (Standard battery, 850mA)

Please do not allow metal objects to contact the battery terminals. It may discharge the battery.

Keep out fire, wet, breakdowns, short-circuit & improper power source.

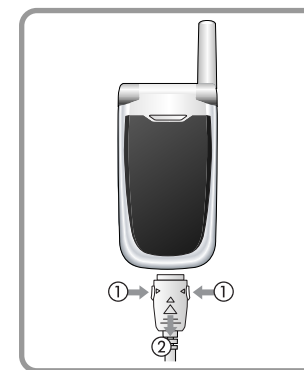
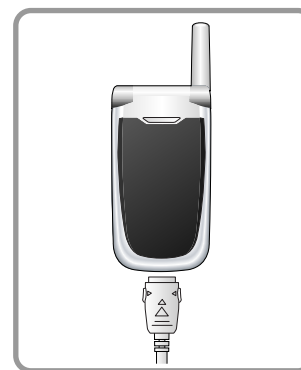


May explode if exposed to fire.

### Charging the Battery with the Phone

You can use the phone while charging the battery attached to the phone.

- 1 With the battery in position on the phone, connect the plug from the travel charger to the connector at the bottom of the phone.



- 2 Connect the charger to a standard AC wall outlet.
- 3 When charging is finished (the full battery icon becomes flashes), disconnect the charger from the AC wall outlet, then from the phone.

#### Low Battery Indicator



If the battery level gets too low, you can see an empty battery icon at the top right of the display with a text notification, "**LOW BATTERY**" on the display with alerting tone and after few minutes, the phone will turn off automatically. If this happen, you'll lose whatever you are doing, including dropping your call. Watch the battery strength icon and make sure your battery is adequately charged.





## Switching the Phone On/Off

### To switch the phone on


- 1 Open the phone.
- 2 Press and hold down the  key for more than one second to switch the phone on.
- 3 If PIN code request of your RUIM card is enabled, your phone asks you to enter the PIN code. Enter the PIN code, and press the  key. Then your phone connects to the network. The call indicator LED on the cover of the phone flashes with an alerting sound.

When the system locates services, a user selected screen displayed on the main LCD and the front LCD displays the current date and time.

You can select one of theme as standby background among 10 different themes.

If the phone is out of service, 'No Service' appears in the display. In this case, you cannot place and receive calls. Wait a little while for a better signal or move into a service area to regain the service.

### To switch the phone off

When you wish to switch the phone off, hold down the  key for more than two seconds.




Do not switch on the phone when the mobile phone use is prohibited or when it may cause interference or danger.



#### Note

Do not touch the antenna on the phone unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

## Your Phone's Mode

### Standby Mode

Standby is the most basic state of your phone. The phone goes into Standby mode soon after you turn it on, or whenever you briefly press the  key. When your phone is in Standby mode, a standby screen you've selected is displayed on the main LCD and the current date and time are displayed on the front LCD.

Press the  key at any time to return to Standby mode. Be careful; if you are on a call, pressing the  key to disconnects the call and you will return to the Standby mode.

Press the Clear soft key and hold it down to return to Standby mode.

### Talk Mode

You can make and answer a call only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing the menu soft key gives you an option list referred to as "In-Call Menu". See **page 28** for details on the options.


You can mute or unmute your phone while you are on a call using both right soft key and the mute/unmute key on the side of your phone.





## Locking Your Phone

Your phone can be easily locked to keep from being used by unauthorized person.


In Standby mode, press and hold down the  key. Your phone will be immediately locked. With your phone locked, you cannot use the phone except making the emergency call.

**To unlock** the phone, press **Unlock** soft key and enter the 4-digit phone password. Your phone enters to the standby mode if the password is correct. For further details on the password, see **page 63**.



## Call Functions

### Making a Call


To make a call, proceed as follows:

- 1 In Standby mode, enter the area code and phone number.
- 2 Press the  key to make the call to the entered number.

### Correcting the Number

If you want to clear the last digit displayed, please press the  key or soft key. And you can clear the whole display by pressing and holding down the  key or soft key for more than one seconds.

### Ending a Call

When you have finished your call, press the  key.

The call time (length of the call) displays with the number of the called party. If the number is stored in your Phonebook, the name is also displayed. If there is no match in Phonebook, you can press the **Option** soft key and store the number to the Phonebook. For further details on "Storing a New Phone Number with a Name", see **page 54**.


Or, simply close the phone to end a call.







## Making an International Call

Enter the country code, area code, and phone number, then press the  key to dial.


### Note

Make sure that your RUIM card can serve international calls. Some card serves domestic calls only.

## Making a Call from the Phonebook

You can store the phone numbers in the RUIM card and phone memory as well, called Phonebook. You then simply select the required name with the associated number to dial using phonebook menu. For further details on Phonebook, see **page 54**.

## Redialing the Last Number

To redial the last number you have dialed, press the  key twice in Standby mode. Your phone stores up to 20 last numbers you have dialed in call records. To recall any of these numbers, refer to 'Dialed Calls' on **page 49**.

## Pause Dialing

When you call automated systems like Voice Mail or bank by phone, a recorded message prompts you for secret codes, account numbers, etc.


It allows you to store these numbers in the same memory location as the automated system's access number. Just separate each set of numbers with a "P" – a special character that tells your phone to wait before sending additional numbers.




## Storing a Number with Pause Dialing

The pause occupies a one-digit space in your phone's memory. Once you have entered a string of numbers and pause, store the string in the same way you store other entries.

- 1 Enter Number you use to access the automated system.
- 2 Press Up key to insert "P" symbol into the number entry.
- 3 Enter the next group of numbers.
- 4 If the system requires more numbers, repeat step 2 and 3 as many times as necessary.

## Using Pause Dialing

Once store, simply recall the entry and place the call. Your phone will send the tones for the set numbers before the first pause and then wait for your pressing  key.

- 1 Enter the two-digit memory location where you stored your Pause Dialing number and press  key.
- 2 When the automated system prompts you for information, Press  to send the next group of numbers. Repeat this step to send each group of numbers that you have stored.
- 3 Press  Key to end call.



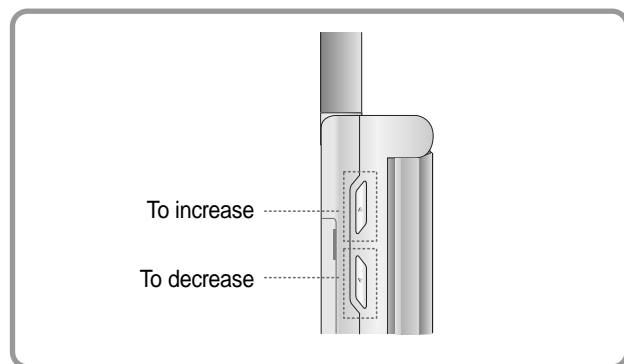




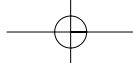
## Adjusting the Volume

During a call, if you want to adjust the voice volume, use the volume key on the left side of the phone.

Press the upper portion of the key to increase and lower portion to decrease the volume. The illustration on the display shows volume levels (the more bars, the louder).



In Standby mode, you can adjust the key tone volume using the volume key.





## Answering a Call


When somebody calls you, the phone alerts you by ring or vibrating or ring + vibrating at the same time.

If you have subscribed the Call Line Identification Service (contact your service provider) and the caller can be identified, the caller's phone number (or name if stored in your Phonebook) is displayed.

**1** To answer a call, open the phone.

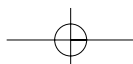
If the Answer Call menu is set to Any key, press any key except the  key.

If the menu is set to Send key, you must press the  key to answer the call.

**2** After conversation, end the call by closing the phone or pressing the  key.

### Note


You can answer a call while using the phonebook or menu features. The current operation will be interrupted.








## Quick-Switching to Manner Mode

You can quickly switch your phone to the manner mode with a touch of the  key.

In manner mode, all sounds of your phone will be deactivated and the phone alerts you an incoming call by vibrating the phone instead of ringing.

Press and hold  key until the manner mode pop-up screen appears on the display. Your phone goes to the manner mode immediately.




To return to normal mode, press and hold the  key again.


This feature is convenient when you are in a hurry to mute the phone sound (in a theater, for example).

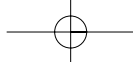
## In-Call Menu

### Memo

Your phone has a really convenient in-call feature for entering a phone number.

- 1 During a call, press the **Option** soft key on the left side of your phone.
- 2 A pop-up screen appears showing an option list, Memo, Mute(Unmute), Keypad Mute, My Number Transmit.
- 3 Select the Memo option using the  or  keys and press the  key.
- 4 Enter the number using the keypad.

After disconnecting the call, the number remains in the display so that you can simply press the  key to dial that number. Or, press the **Save** soft key to save the number into the Phonebook. For details on saving a number, see **page 32**.






## Mute / Un-mute

You can temporarily switch your phone's microphone off, so that the other party cannot hear you.

### Example

You wish to say something to another person in the room but do not want the other party to hear you.

To switch the microphone off temporarily, proceed as follows.

- 1 During a call, press the **Option** soft key on the left side of your phone.
- 2 A pop-up screen appears showing an option list, **Memo, Mute (Unmute), Keypad Mute, My Number Transmit**.
- 3 Select the **Mute (Unmute)** option using the  or  keys and press the  key.
- 4 Select the **Mute (Unmute)** option again to unmute your phone . Your correspondent can hear you again.











## My Number Transmit


You can temporarily transmit your phone number.

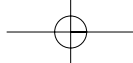
To transmit your phone number temporarily, proceed as follows.

- 1 During a call, press the **Option** soft key on the left side of your phone.
- 2 A pop-up screen appears showing an option list, **Memo**, **Mute (Unmute)**, **Keypad Mute**, **Send my No..**
- 3 Select the **My Number Transmit** option using the  or  keys and press the  key.

## Swapping Between Two Parties



When there is an incoming call while you are already on a call, press the  key to place the current call (first) on hold and receive the new call (second).  
(If Call Waiting (in Menu 4. Calls) is set as Enable)

If you press the  key again, you can swap two calls repeatedly.



## Multi-party call

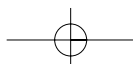
You can use this feature as a conference call.

- 1 During a call, dial a phone number of the second participant and press the  key. The first participant is automatically put on hold.
- 2 Press the  key again to join the first participant to the call.
- 3 To add more participants to the call, repeat steps 1 to 2.

## Phonebook (Pbook)

You can use the phonebook menu while on a call so that you can retrieve your phonebook.

- 1 Press the **Search** soft key while in a call.
- 2 Phonebook search.





## Menu Tree

### 1. DISPLAY

Level 1	Level 2	Level 3	Level 4	Pop - up
1. DISPLAY	1. Idle screen	1. Theme		
			Small	
		2. Digital clock	Medium	
			Large	
	2. Power on screen	3. Banner	None	
	3. Power off screen			
	4. Call alert screen			
	5. Backlight	Always off		
		15 seconds		
		30 seconds		
		Always on		
	6. Contrast			
	7. Digit size	Small		
		Big		

### 2. SOUNDS

Level 1	Level 2	Level 3	Level 4	Pop - up
2. SOUNDS	1. Ringer volume			
	2. Ringer type			
	3. Tone volume			
	4. Call alert type	Ring		
		Ring + Vib		
		Vib then ring		
		Vibrator		
		Silent & Lamp		

### 3. MESSAGE

Level 1	Level 2	Level 3	Level 4	Pop - up
3. MESSAGE	1. Write new	1. Message 2. Page		
	2. Inbox		Option : Pop up Menu	1. Erase Msg.
				2. Reply Msg.
				3. Forward Msg.
	3. Outbox		Option : Pop up Menu	4. Move to UIM (Phone)
				5. Save NO.
				1. Erase Msg.
	4. Voice Msg.			2. Forward Msg.
	5. Archive			3. Move to UIM (Phone)
	6. Setting	1. SMS alert type	Sound alert	
			Vibrator	
		2. Missing alert	LED	
			2 minutes	
	7. Erase	3. Instant read	Off	
		4. Save location	On	
			Off	
			Phone	
			RUIM	
		1. All in inbox		
		2. All in outbox		



## 4. CALLS

Level 1	Level 2	Level 3	Level 4	Pop - up
4. CALLS	1. Call history	1. Dialed calls	* Each entry Option : Pop up Menu	1. Erase
		2. Received calls		2. Save
		3. Missed calls		3. Send SMS
	2. Erase logs	1. Dialed calls	Yes	
			No	
		2. Received calls	Yes	
			No	
		3. Missed calls	Yes	
			No	
		4. Memo in call	Yes	
			No	
		5. All logs	Yes	
			No	
	3. Call time	1. Last call		
		2. Dialed calls		
		3. Received calls		
		4. All calls		
		5. Reset call time		
	4. Answer call	Auto answer		
		Folder open		
		Any key		
		Send key		
	5. Call forward	1. Default	1. Enable	
			2. Disable	
		2. Busy	1. Enable	
			2. Disable	
		3. No answer	1. Enable	
			2. Disable	
		4. Unconditional	1. Enable	
			2. Disable	

## 4. CALLS (continued)

Level 1	Level 2	Level 3	Level 4	Pop - up
4. CALLS	6. Call waiting		1. Enable	
			2. Disable	
	7. Setting	1. Auto redial	On	
			Off	
		2. Minute alert	Yes	
			No	
		3. DTMF	Short	
			Long	
		4. Drop call alert	Continuous	
			Yes	
		5. Speed location	No	
			Phone	
			RUIM	



## 5. PHONEBOOK

Level 1	Level 2	Level 3	Level 4	Pop - up
5. PHONE-BOOK	1. New entry			
	2. Search	1. By name	* Each entry Option : Pop up Menu	1. Edit
		2. By number		2. Move
		3. By group		3. Erase
		4. By speed dial		4. Send SMS
	3. Setting	1. Group naming	Phone RUIIM	
		2. Save location		
	4. Erase	1. By group		
		2. Erase pbook.		
		3. Erase RUIIM.		
		4. Erase all		
	5. Own number			

## 6. ORGANIZER

Level 1	Level 2	Level 3	Level 4	Pop - up
6. ORGANIZER	1. Alarm 1	Set	Off	
			Once	
			Daily	
			Mon-Fri	
			Sat-Sun	
		Time		
		Ring		
		Text input		
	2. Alarm 2	Set	Off	
			Once	
			Daily	
			Mon-Fri	
			Sat-Sun	
		Time		
		Ring		
		Text input		
	3. Alarm 3	Set	Off	
			Once	
			Daily	
			Mon-Fri	
			Sat-Sun	
		Time		
		Ring		
		Text input		
	4. Schedule	1. Today's schedule	Schedule edit	
		2. Calendar	Schedule add/ Schedule view	
		3. All schedules		
		4. Past schedule		
		5. Erase past		
	5. Calculator			



## 7. SETTING

Level 1	Level 2	Level 3	Level 4	Pop - up
7. SETTING	1. Language	Russian English		
	2. LED setting	Always off 10 seconds on		
	3. Set time			
	4. 12H / 24H	12 hour 24 hour		
	5. Network setting	19200 bps 115200 bps 230400 bps		
	6. S/W version			

## 8. SECURITY

Level 1	Level 2	Level 3	Level 4	Pop - up
8. SECURITY	1. Auto lock	On Off		
	2. Security code	Enter new code/Enter lock code Re-enter code		
	3. Call restrict	International	On Off	
		Incoming	On Off	
		Outgoing	On Off	
		All	On Off	
	4. Intl. Number			
	5. PIN	1. Enable PIN 2. Disable PIN 3. Change PIN		
	6. Reset	1. Factory reset 2. Setting reset		

## 9. GAME

Level 1	Level 2	Level 3	Level 4	Pop - up
9. Game	1. Setting	1. Sound	On Off	
		2. Backlight	On Off	
	2. Diamond king			
	3. Blackjack			



## Display

Many different features of your phone can be customized to suit your preferences. Using this menu, you can customize the various settings for the display screen.

### Idle Screen

Your phone provides you with a variety of items to display in Standby mode. You can change the idle screen to one of the following items depending on your preference.

The following options are available:

- 1 **Theme** : Displays background image you have selected.
- 2 **Digital clock** : Menu to select the kinds of Digital Clock in Idle display
  - **Small** : To show only time on the upper side of Idle.
  - **Medium** : Date, Time, on bottom side of Idle.
  - **Large** : Show a Digital Clock largely on bottom line.
  - **None** : No display Clock.
- 3 **Banner** : Displays the text you have created as your preference.

#### Power On Screen

➡ To select image when the phone is on at first ( Power on )

#### Power Off Screen

➡ To select image when the phone is off ( Power off )

#### Call Alert Screen

➡ To select image on calling






### Backlight

You can set how long the backlight of both the keypad and the display remains on after the last key is pressed via this menu. But, remember that backlight use drains your battery faster.

The following options are available:

- **Always off** : The backlight is not used.
- **15 seconds** : The backlight comes on for 15 seconds after the last key is pressed. (default)
- **30 seconds** : The backlight comes on for 30 seconds after the last key is pressed.
- **Always on** : The backlight remains on while the phone turns on.

### Contrast

You can adjust the main LCD display contrast by using the the key  or ,  or  key. Press the  key to set the contrast.

### Digit Size

On dialing, control the size of Number on the screen.

- **Small** : Show small size number continually.
- **Big** : At first, show big size number, If the digit of number is putting over one line, the size is getting smaller.





## Sound

You can use the Sound menu to customize various sound settings.






### Ringer Volume

Using this option you can adjust the volume of ringer for the incoming call.

- Press the Menu soft key in the Standby mode.
- Select Sound menu and select the Ringer volume menu.
- Select one of volume level that you desire by pressing  or  Key.

### Ringer Type

This option allows you to select a desired ringing type.

- Press the Menu soft key in the Standby mode.
- Select Sound menu and select the Ringing tone menu.
- Select one among 15 melodies with pressing  Key.
- Select one of ringing tone that you desire by pressing the  or ,  or  Key.

### Tone Volume

You can adjust the keypad tone volume.

### Call Alert Type

You can configure the sound settings for the incoming calls.

The following options are available:

- **Ring** : Sounds ringer using the melody selected via the ringing tone menu.
- **Ring + Vibrator** : Sounds ringer and vibrates simultaneously.
- **Vibrator then ring** : Vibrates first and sounds.
- **Vibrator** : An incoming call vibrates the phone.
- **Silent & Lamp** : Does not sound the ringer.



## Message



The SMS (Short Message Service) function is a network service and may not be supported by your network. Messages can be sent by text or paging message.

Your phone can store up to 50 messages in total. The RUIM card can store up to 10 messages and the phone memory can store up to 50 messages regardless of incoming and outgoing messages. If the message memory is full, an error message is displayed and you cannot receive or store any new messages. To store or receive messages, delete obsolete messages first.

To access the Messages menu, press the menu soft key and select Messages menu.

### Write New

Via this menu, you can write text messages of up to 160 alphanumeric characters (or 70 characters in Russian).





- 1 Press the  key to enter to the text msg. (or exist Main menu).
- 2 Edit msg. : Create the message as needed. For further details on how to enter text, see **page 67**.
- 3 To : Enter the recipient number.
- 4 Send msg. : After completing the message, select the  key.

### Inbox

This menu stores text messages that you have received.

When you received a new message in Standby mode, new message is automatically displayed on the screen so that you can read it immediately.

After disconnecting the call,

- 1 Select the  key to enter Inbox menu.
- 2 Once you enter this menu, you can see the last received message. Scroll to the desired message by using the  or  key.
- 3 Press the  key to view the entire message.

While viewing a message, you can choose the following options, by pressing the Option soft key:

- **Erase Msg.** : Allows you to delete the selected message.
- **Reply Msg.** : Allows you to send a reply message to the sender. Refer to write new menu of Messages on **page 44**.
- **Forward Msg.** : Allows you to forward the received message to other party.
- **Move to UIM (Phone)** : Allows you to move the selected message to UIM or Phone.
- **Save NO.** : Allows you to save the received number to the phonebook



## Outbox




When you enter this menu, you can see the last message you have sent. Any message that you have failed to send is also saved in the Outbox.

While you are on a call, you can send a message using the In-call option. Refer to the messages menu of In-call option on **page 28**.

To view a message you have sent;

### Note


Outbox doesn't exist in idle standby mode. This feature exist in Main menu (3)

- 1 Select the Outbox menu. (mene 3.3)
- 2 Once you enter this menu, you can see the last message sent. Scroll to the desired message by using the  or  key.
- 3 Press the  key to view the entire message.


While viewing a message, you can choose the following options, by pressing the **Menu** soft key:

- **Erase Msg.** : Allows you to delete the selected message.
- **Forward Msg.** : Allows you forward the received message to other party.
- **Move to UIM (Phone)** : Allows you to move the selected message to UIM or Phone.

## Voice Message

When you received a new voice message, new message icon  appears in the display. Using this menu, you can listen to your voice messages.





To enter to this menu;

- Press the Menu soft key and select the Messages menu.
- Select the Voice msg. menu.
- Total number of voice messages is displayed in the screen.
- Press the Erase soft key if you want to delete the screen and the  icon is also disappeared. Or just press the Quit soft key to return to the standby mode.

**You can see this icon when your service provider supports this function to appear it.**

## Archive

This menu can be a useful location to store any important messages and you can edit the messages, if you want. When you receive or send a message and you want to store it to the Archive, you can use the Move to archive menu of Msg. option. Refer to the Inbox and Outbox menu on **page 45, 46**.

- Press the Menu soft key and select the Messages menu.
- Select the Archive menu.
- All saved messages are displayed. Scroll to the desired message by using the  or  key.
- Press the  key to view the entire message.
-  : Allows you to send a edit message to the sender. Refer to write new menu of Messages on **page 44**.

**Erase** : Allows you to delete the selected message.





## Setting

Via this menu, you can set up default SMS information. The following options are available:

**SMS alert type** : allows you to set how the phone alerts you the incoming messages. You can select one of three options as bellow.

- Sound alert
- Vibrator
- LED

**Missing alert:** If you select **2 minutes**, the phone will alert you at every 2 minutes. If you do not want to be alerted, select **Off**.

**Instant read** : Once you select **On**, you can see the incoming message when you open your phone. If you do not want this option, select **Off**.

**Save location** : Allows you to select the location to where the messages to be saved. It gives you two optional locations that are RUIM and Phone. Once you select the location, every incoming or outgoing message will be save to the selected location.

## Erase

This menu gives you two options as below;

**All in inbox** : Erase all messages in Inbox

**All in outbox** : Erase all messages in Outbox

## Calls

This menu gives you the following options and via this menu, you can check the call records of your phone.

- Missed calls
- Received calls
- Dialed calls

Missed, Received and Dialed calls : It's function that is able to store up to total 60ea number without separate storage.


To access these call related menu, press the Menu soft key and select Call log menu in the main menu screen.


## Call History

### Viewing Missed, Received and Dialed calls in call numbers

If you are unable to answer a call for any reason, you can find out the person called you, if this service is available (contact your service provider). In this way, you can call the person back, if necessary.


The number of missed calls is displayed on the standby screen immediately after the call was missed. To view the missed call immediately, proceed as follows.

By pressing  key, you can see the call history in Idle display or Main menu.




In case of pressing  key, Dialed, Received and Missed call show all in a list by time. In case of Main menu, Dialed, Received and Missed calls verify its separate section.






- 1 If the phone is opened then press** the List soft key.  
In the list , you can see the detailed information to select  key.

The number corresponding to the most recent missed call is displayed, if available.

- 2 If you want to scroll through the missed calls, press the**  **or**   
**Navigation key. And if you want to call the number displayed,**  
**please press the**  **key.**

### Saving / Erasing Missed, Received and Dialed call numbers

- 1** Press the **Option** soft key.
- 2** The screen shows up to 60 total calls (Missed, Received and Dialed calls) which you have recently received but fail to answer.
- 3** To save the number, press the  key.
- 4** Select the soft key, then your phone enters to the Phonebook menu to input new data. To store the number and name, refer to "Storing a Phone Number with a name" on **page 54**.
- 5** To delete the missed call, select the Delete option. After deleting the missed call, your phone returns to the list screen. Also you can clear all missed calls by using the ***Calls – Erase Logs – Missed calls*** menu.

### Erase Logs

This menu gives you the following options;

- **Dialed calls** : Deletes all dialed calls.
- **Received calls** : Deletes all received calls.
- **Missed calls** : Deletes all missed calls.
- **Memo in call** : Deletes all memo in calls.
- **All logs** : Delete all of logs including missed calls, received calls, dialed calls and memo in calls.

### Call Time




This menu allows you to view the timers for calls made and received.  
The following timers are available:

- **Last call** : Shows last call time. Also you can reset last call time.
- **Dialed calls** : Shows total length of the calls made since the timer was last reset. Also you can reset Dialed call timer.
- **Received calls** : Shows total length of the calls received since the timer was last reset. Also you can reset Received call timer.
- **All calls** : Shows total calling numbers and times about dialed calls, Received calls.
- **Reset call time** : All calls Timer reset.

### Answer Call

This menu allows you to select how you answer when an incoming call comes.

The following options are available:

- **Auto answer** : The phone automatically answers calls after predefined time only with the ear jack being connected.
- **Folder open** : Open the folder to answer the call.
- **Any key** : You can press any  key except the  key to answer the call.
- **Send key** : You should press the  key to answer the call.





## Call Forward

This network service enables incoming calls to be rerouted to the number that you specify.


### Example

You may wish to divert your business calls to a colleague while you are on holiday.

The following options are available;

- **Default** : All calls are diverted to the number that you specify.
- **Busy** : All calls are diverted to the number that you specify when you are on a call already.
- **No answer** : All calls are diverted to the number that you specify if there is no answer.
- **Unconditional** : Nevertheless on/off of phone, it always calls diverted to the number without alert to user.



To activate this function;

- 1 Select one of options you want to use.
- 2 Select the Enable.  
(In setting Disable, it connect to the network with a call)
- 3 The screen asks you to enter a number that you want to specify.
- 4 After entering the number, press the  key.



## Call Waiting

Once you set this menu On, you can swap a call between two parties.

When there is an incoming call while you are already on a call, press the  key to place the current call (first) on hold and receive the new call (second). If you press the  key again, you can swap two calls repeatedly.

## Setting

- **Auto redial**  
When this function is set to "On", your phone will make as many as 5 attempts to connect the call after an unsuccessful call attempt.
- **Minute alert**  
In setting "On", rings a alert sound in one minute after connecting.
- **DTMF**  
Short : Rings DTMF tone shortly.  
Long : Rings DTMF tone longer.  
Continuous : Rings DTMF tone continuous.
- **Drop call alert**  
In setting "On", there will be alert sound in case of finishing a call.
- **Speed location**  
When you want to store speed dial number in the phone, please set to 'Phone'. If you want to store speed dial number in the RUIM, please set to 'RUIM'.



## Phonebook


When you input a new phone number in the phonebook, it can be saved in both places like phone and RUIM.

The saving place should be changed to "save location Menu" under "Setting Menu" before entering new entry.

Phone can save by 99 pieces of item and RUIM can save as many as it supports under 499 pieces.






### New Entry







#### When input in phone

- 1 Select phonebook menu in Main Menu or press  key to enter into New entry.
- 2 Name size that capable to input in Name field can save till 32 characters at a time. When RUIM is not able to save over 32 characters even though that can save as many as it support.

#### Note

It refer to the detailed information of Name edit in **Page 67** Text Input ( eZiText )


- 3 After input name, you can move to Home field by pressing  key.
- 4 The field like Home / Office / Mobile / Pager field can input a number in the same method and each field can set speed dial separately by pressing  key.
- 5 While input some numbers, it can delete each number one by one with  key. If  key press without inputting a number, it come out number input window.
- 6 You can move to E-mail field with  key after inputting pager field.

- 7 E-mail field input method is the same as that of name but Text size is 40 pieces in max.
- 8 You can move to group field with  key after E-mail field.
- 9 Group consists of Family, Friend, Company, School and No Group. You can select each group by  key.
- 10 Each field can move with  and  key and save data with .
- 11 While saving a data, you can move from input window if  key pressed.




#### When input in RUIM

- 1 On input a data on RUIM, you can save Name and Number only.
- 2 You can save numbers by as much as RUIM card support in size. But you can't save over 32 characters and over 20 digits of numbers.
- 3 The saving method is the same as that of phone on Name and number.

### Search



In this menu, you can call to selected number directly with  key in list or view window.

#### By Name





- 1 1. In 'By Name' Menu, you can find Name list arranged in alphabet order. You can search name with  key or  key and input a text on upper side to find quickly.
- 2 It can show more detailed information about the selected name with .






## By Number

- 1 In By number menu, you can see the window that search to input a part of number and can search a relevant number with  key after inputting number.
- 2 In searched list, can show a detailed information with  key for number.

## By Group



- 1 It can show a Menu window that select the kinds of group to search.
- 2 It can also select the kinds of group with  or  key and shows items in relevant group as name list with  key.
- 3 In searched list, it shows a detailed information about a selected Number with  key.




## By Speed Dial

- 1 In "by speed dial", it shows a window that input speed dial number to search with  key.
- 2 After input number, it shows item's number of speed dial with  key.
- 3 In a searched list, it shows a detailed information about a selected number with  key.




## Setting

### Group Naming

- 1 You can edit Group Naming by two languages, English and Russian.
- 2 On group naming menu, it can select the kinds of group with  or  key.

- 3 After selecting group with  key, move to a field that edit English name. The editing method is the same as that of name in New entry and can be saved by characters in max.
- 4 After English name Editing with  key, it move to a field that edit Russian name. The editing method is the same as that of name in new entry and can save by characters in max.
- 5 After editing data, you can save group name with  key.




## Save Location

- 1 Save Location menu nominate the saving place in phonebook item. RUIM card should be set to enter Save Location Menu.
- 2 After entering Save Location Menu with  or  key, you can save the selected place with  key.

## Erase





Erase is a menu that delete stored item in phonebook.  
4 digits password is needed to enter into Erase Menu.

## By Group





- 1 After entering "By Group Menu" or moving a group that erase a data with  or  key, It finish the processing with  key.







## Erase pbook

- 1 It is to erase a stored items in phone.
- 2 After showing confirmed window to erase data with  key or decide whether to erase or not by pressing  or  key, this processing finish to erase with pressing  key again.



## Erase RUIM

- 1 It is to erase stored item in RUIM.
- 2 After showing confirmed window to erase data with  key or decide whether to erase or not by pressing  or  key, this processing finish to erase with pressing  key again.

## Erase all

- 1 It is to erase all of datas in phone and RUIM.
- 2 After showing confirmed window to erase data with  key or decide whether to erase or not by pressing  or  key, this processing finish to erase with pressing  key again.

## Own Number




With Number key, User can edit the number. The number should be 11 digit and can store  key after finishing them. If user want to back to previous function, it can be done by pressing  key.

## Organizer

This menu allows you to use your phone as your secretary providing you with various convenient features, such as Alarm, Schedule, and Calculator.

### Alarm 1, Alarm 2, Alarm 3


This feature allows you to set the alarm to ring at a specific time.  
To set an alarm:

- 1 Press the **Menu – Organizer – Alarm1, Alarm2 , Alarm3** in subsequence.
- 2 The screen displays the current time.
- 3 Select one of five options which are **Once, Daily , Mon~Fri , Sat~Sun** and **Off** by using the next soft key or the  or  keys.
  - **Once** : The alarm rings only once and will deactivate.
  - **Daily** : The alarm rings every day at the specified time.
  - **Mon~Fri** : The alarm rings from Monday to Friday at the specified time.
  - **Sat~Sun** : The alarm rings on Saturday and Sunday at the specified time.
  - **Off** : Makes the phone alarm off.
- 4 Set the time you desire using the alphanumeric keys and press the  soft key to set alarm.






## Schedule

It can save by total 30 pieces of schedule and also can save each schedule by a day. When a schedule is set,  Icon will be displayed on Idle Area.


**1** Today's schedule  
If there are some schedule in today, those will be shown.

**2** Calendar  
When enter at first, the cursor stand on the current date (Blink)  
Move date by Navigation Key (UP/DOWN/RIGHT/LEFT)

 **Key** : Previous year

 **Key** : Next year

 **Key** : Previous Month

 **Key** : Next Month

Left soft key/5 Key : Move to today

Without schedule, Center Soft key : OK, Right Soft key : Back

With schedule, date part showed in black color

(Left Soft key : Erase, Center Soft key : OK, Right Soft key : Back)

**3** All schedules  
Show the total schedule list.

**4** Past schedule  
Show only schedule list until today.

**5** Erase past  
Delete all of schedule until today.



## Calculator


Using this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication and division.

### Performing a Calculation

**1** Enter the first number using the numeric keys.

**2** Press the navigation key to set the operator for your calculation corresponding to the screen: + (add), - (subtract), X (multiply), / (divide).

**3** Enter the second number.

**4** To calculate the result, press the  key.

**5** Repeat steps 1 to 4 as many times as required.

**6** \* key : show decimal points. (But can calculate down to two decimal places)

\*  key : Initialize the current input value in calculator.





**7** The calculation range can be reached by 10,000,000.



## Setting

### Language

The available languages are English and Russian.

To select the language you desire, use the  or ,  or  **Key** and press the **OK** soft key to select the language.

### LED Setting

- **Always off** : Flickers whenever come to events like call, SMS.
- **10 seconds on** : Flickers LED light by every 10 seconds.

### Set Time

It allows you to set the current date & time instead of using system time.

### 12H / 24H

The system time shows 12 hour or 24 hours.

- **12hour** : The 12 hours system is divided by AM / PM in a day.
- **24hour**: The 24 hours system keeps itself in a day.

### Network Setting

Select the data speed

- 19200 bps
- 115200 bps
- 230400 bps

### S/W Version

Show Software Version

## Security

Using this menu, you can activate use of the password for the Security menu and change the password.

### Auto Lock

Once you set this option on, your phone is locked every time when you turn it on/off.

### Security Code

This feature allows you to change your current password to a new one. You must enter the current password before you can specify a new one.

### Call Restrict

It allows you to restrict your calls.

You can specify individual barring options for each of the following call types:

<b>International</b>	International calls cannot be made.
<b>Incoming</b>	Calls cannot be received.
<b>Outgoing</b>	Calls cannot be made.
<b>All</b>	Remit all of calling like international, sending, receiving.

### International Number

You can set 5 numbers in total. "810" and "811" are set as defaults, and you can add 3 more numbers. (5 digits in maximum for each numbers)

The phone automatically restricts the number that you set 'Intl. Number' in Calls menu, if the 'international call restrict' is enabled.

You can add the number by selecting 'Add' soft key among Add/OK/Back, and you can erase or edit the preset numbers by selecting each soft key among Erase/Edit/Back.





## PIN

Using this menu, you can activate use of PIN (Personal Identification Number) provided by RUIM card and change the PIN code available.

When the PIN Request feature is enabled, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval.

### Note

Before disabling the PIN Request feature, you must enter your PIN.

The following options are available:

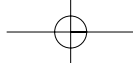
- **Enable PIN** : You must enter the PIN each time the phone is switched on.
- **Disable PIN** : You don't need to enter the PIN each time.
- **Change PIN** : You can change PIN.

## Reset

This menu allows you to reset the phone to the factory setting. Resetting the phone clears out all data in the phone memory and restore the default value of the menu settings.

- **Factory Reset** : Initiate menu setting and all of Phone memory and data with the value in sales out.
- **Setting Reset** : Initiate all of menu setting like 'Alarm' excluding Phonebook, SMS messages, Call history and Schedule.

When the popup window comes up, select **Yes** to reset the setting. Or, select **No** to cancel your selection.



## Game

### Setting

You can set sound and backlight function.

- **Sound**  
You can on/off the sound of game.
- **Backlight**  
You can on/off the backlight of Game.

### Note

If you select backlight on, backlight will be always on when you play the game.

### Diamond King

You should make diamond shape with dropping blocks which has variable inside shapes to delete blocks.

- **New Game**  
Start a new game.
- **High Score**  
Check the total number by top 5 level.
- **Key Info**  
Explain the function key.

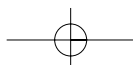
 : Left

 : Rotate

 : Right

 : Down

- **Continue**  
It is used to continue the game while stopping sometimes. Please make sure that the date will be deleted when you power on & off.







## Black Jack

It is a game that takes a victory where the conjunction of digit of all cards comes near to 21.  
if the conjunction of digit of all cards is over 21, you will lose the game and there is no limit for card sheets.

### • New Game

Start a new game.

### • High Score

Check the total number by top 5 level.

### • Key Info

Explain the function key.

3 : HIT

4 : DOWN

5 : UP

6 : STAY

8 : EXIT

9 : DOUBLE

0 : PAUSE

### • Continue

It is used to continue the game while stopping sometimes.

## Text Input ( eZiText )

When using your phone, you will need to enter text at many times.  
For example, when storing a name in the Phonebook, creating a greeting note, writing a text message or scheduling events in your calendar.

The following text input modes are available:

- **eZiText English** : Allows you to enter the English letters by pressing each key once for each character.
- **eZiText Russian** : Allows you to enter the Russian letters by pressing each key once for each character.

### Note

eZiText input method allows you to enter text easily and quickly. Simply pressing each key once for each character, you can get the words you want. Furthermore, the candidate is predicted along with other candidates that fit the letters typed thus far. So, you do not need to input entire characters to make a word.

- **Tap** : Allows you to enter letters by pressing the key labeled with the desired letter once, twice, or three times until the letter appears on the display.
- **Number**: Allows you to enter numbers.
- **Symbol**: Allows you to enter the symbols or punctuation marks.









## Changing Text Input Mode

When you are in a field that allows characters entry, you should notice the text input mode indicator in the display.

To change to another text input mode, press the  key repeatedly until you find the desired input mode.

You will see the input language indicator in the bottom line of the display:

- English - eng
- Russian - rus

To change to another text input Language mode, press the  key repeatedly until you find the desired input mode.

- Tap – Num – Sym – Zi

## eZiText English Mode

This mode allows you to enter English words with only one key press per letter. Each key on a keypad has more than one letter - a single press on the **5** key could be J, K, or L. The **eZiText English** mode automatically compares your key presses to an internal linguistic database to determine the correct word.

This mode requires far fewer keystrokes than the traditional multi-tap method; ABC mode.



### Typing English Words


To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

- 1 Press keys on the phone just once per desired letter. For example, to enter 'hello', press the following keystrokes: **4, 3, 5, 5, 6**.

- 2 The word you are typing appears in the display. It may change with each key you press.

- 3 Type in the word completely before editing or deleting any keystrokes.

- 4 Complete each word with a space by pressing the  key or  key.

If the word that appears in the display is not the word that you desire, press the  key one or more times to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence **6, 3**) The phone displays the most commonly used choice first.

### Note

The phone displays all the words which is containing the letters you have entered. By doing this, the eZiText mode saves you typing extra key press.

### Smart Punctuations

Period, hyphen, and apostrophe are available on the **1** key. eZiText applies rules of grammar to insert the correct punctuation. Notice that the **1** key is used twice.

### Shifting a Case

To change the case of the word, press the ' \* ' repeatedly when the word is highlighted. Lower Case, Capital Lock and Initial Capital are available. Also, you can insert periods between the alphabets for abbreviations.







- ❖ **Abc mode is applied to in case of that finish the sentence with ' . '**

If not , abc mode is displayed.





## Scrolling

- The  or  key scrolls to the alternative characters corresponding the key press.
- To move the cursor left or right through your text message, press the  or  key.
- To move the cursor up or down through your text message, press the  or  key.

## Clearing Characters



Press the CLR soft key one or more times to remove characters from the Text Area.


## eZiText Russian Mode

This mode allows you to enter Russian words with only one key press per letter. Each key on a keypad has more than one letter. The **eZiText Russian** mode automatically compares your key presses to an internal linguistic data-base to determine the correct word.

## Typing Russian Words

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

- Press keys on the phone just once per desired letter.
- The word you are typing appears in the display. It may change with each key you press.
- Type in the word completely before editing or deleting any keystrokes.
- Complete each word with a space by pressing the  key or  (right key).

If the word that appears in the display is not the word that you desire, press the  key one or more times to display alternate word choices for the keys you have typed. The phone displays the most commonly used choice first.







### Note

The phone displays all the words which is containing the letters you have entered. By doing this, the eZiText mode saves you typing extra key press.


## Smart Punctuations

Period, hyphen, and apostrophe are available on the **1** key. eZiText applies rules of grammar to insert the correct punctuation. Notice that the **1** key is used twice.

## Scrolling

- The  or  key scrolls to the alternative characters corresponding the key press.
- To move the cursor left or right through your text message, press the  or  key.
- To move the cursor up or down through your text message, press the  or  key.

## Clearing Characters

Press the  key one or more times to remove characters from the Text Area.



## Tap Mode (Letter Mode)

This mode is indicated by **ABC**. When typing in Tap mode, you should press key labeled with the required character:

- Once for the first character.
- Twice for the second character and so on.

For example, you press the **2** key three times quickly to display the character "C", the **5** key two times quickly to display the character "L". So, this method is called Multi-tap typing.

If you press 5 key 4 times quickly to display number 5 or press 5 key on time for 2 seconds.





The cursor moves to the right when you press a different key. When entering the same character twice (or a different character on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next character.

Refer to the table on next page for the list of characters assigned on each key.

### Shifting a Case

To change the case of the word, press the ' \* ' key repeatedly when the word is highlighted. Lower Case, Capital Lock and Initial Capital are available. Also, you can insert periods between the alphabets for abbreviations.











### Scrolling

- To move the cursor left or right through your text message, press the  or  key.
- To move the cursor up or down through your text message, press the  or  key.

## Clearing Strokes and Characters\*/

Press the **CLR** soft key one or more times to remove characters from the Text Area. Key Characters in the Order Displayed.

### List of characters available:

Key	Characters in the Order Display	English	Russian
	. @ / ? , ' & - ( ) \ :		
	A B C 2	A B C 2	A Б В 2
	D E F 3	D E F 3	Г Д Е 3
	G H I 4	G H I 4	Е Ж З 4
	J K L 5	J K L 5	И Й К 5
	M N O 6	M N O 6	Л М Н 6
	P Q R S 7	P Q R S 7	О П Р С 7
	T U V 8	T U V 8	Т У Ф 8
	W X Y Z 9	W X Y Z 9	Х Ц Ч Ш 9
	Space 0		





## Entering Special Characters

You can enter special characters using Symbol Mode. While entering text, just change to symbol mode and your phone gives you 28 special characters in total.

- To move the cursor up and down, change to symbol mode ( key).
- To change the page, press the the or key.
- To select a character you selected, after moving to characters to select by or key and select one with key.

## Number Mode

Number mode is indicated by **Num**. It enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.

## Symbol Mode

Symbolic mode enables you to enter symbols into a text message.

To scroll through the available symbols, press the up/down key. Press the corresponding key to insert the desired mark when it is highlighted. If finish symbol mode input, it should change mode by key.

## Reference Information

### Access Codes

There are several access codes that are used by your phone and its RUIM card. These codes help you protect the phone against unauthorized use.

#### Phone password

The security code can be used to avoid unauthorized use of your phone. The security code 0000 is usually supplied with the phone. Change the security code before you start using your phone. Keep the new code secret and in a safe place, which is separate from the phone.

#### PIN code

The PIN (Personal Identification Number) code protects your RUIM card against unauthorized use. The PIN code is usually supplied with the R-UIM card. When the PIN code request is enabled, the code is asked each time the phone is switched on.

If you key in an incorrect PIN code three times in succession, key in the PUK code and press the key (or key). Key in a new PIN code and press the key (or key). Key in the new code again and press the key (or key).

#### PIN2 code

The PIN2 code, supplied with some RUIM cards, is required to access some functions, such as charging unit counters. These functions are only available if supported by your RUIM card.

If you key in an incorrect PIN2 code three times in succession, key in the PUK2 code and press the key (or key). Key in a new PIN2 code and press the key (or key). Key in the new code again and press the key (or key).







## PUK code

The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the RUIM card. If not, contact your local service provider for the code.

If you key in an incorrect PUK code ten times in succession, the RUIM card cannot be used anymore. Contact your service provider for a new card.

You cannot change the PUK code. If you lose the code, contact your service provider.

## PUK2 code

The PUK2 code, supplied with some RUIM cards, is required to change a blocked PIN2 code. If you key in an incorrect PUK2 code ten times in succession, you cannot use the functions requiring the PIN2 code. Contact your service provider for a new card.

You cannot change the PUK2 code. If you lose the code, contact your service provider.

## Using the Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

The following batteries are also available (ask your local dealer for further details):

1. Standard battery (850 mA)
2. Extended battery (1250 mA)

## Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only approved batteries and recharge your battery only with approved chargers by your service provider. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0°C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.
- The battery should be charged in about two and half hours. If not charged, please ask to service center. The problem may be caused by defected battery.







## Safety Information

### Traffic Safety

Do not use a hand-held mobile phone while driving a vehicle. If using a hand-held phone, park the vehicle before conversing. Always secure the phone in its holder, do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember, road safety always comes first!

### Operating Environment

Remember to follow any special regulations in force in any area and always switch you're phone whenever it is forbidden to use it, or when it may cause interference of danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

### Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your mobile phone.

### Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (20 cm) be maintained between a hand-held mobile phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should always keep the phone more than 6 inches (15 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

### Hearing Aids

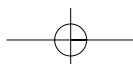
Some digital mobile phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

### Other Medical Devices

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (for example, electronic fuel injection systems, electronic anti-skid (anti lock) braking systems, electronic speed control systems, air bag systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.







### **Posted Facilities**

Switch your phone off in any facility where posted notices so require.

### **Potentially Explosive Atmospheres**

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

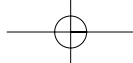
Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

### **Vehicles**

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all mobile phone equipment on your vehicle is mounted and operating properly.

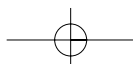
Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.



For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of mobile phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.






## Emergency Calls / SOS

### Important!


This phone, like any mobile phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (for example, medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

### To make an emergency call:

- Switch it on.
- Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
- Press the  key.

### To make SOS call:

- Switch it on.
- When your phone is locked, press the  key.

If certain features are in use (key guard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident – do not cut off the call until given permission to do so.

### Radio Frequency (RF) Signals

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1–1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests or SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.





For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only approved accessories. When carrying the phone while it is on, use the specific belt-clip that has been tested for compliance.

Use of non-approved accessories may violate FCC RF exposure guidelines and should be avoided. For additional information concerning exposure to radio frequency signals, see the following websites:

### **Federal Communications Commission (FCC)**

RF Safety program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): <http://www.fcc.gov/oet/rfsafety>

### **World Health Organization (WHO)**

International Commission on Non-Ionizing Radiation Protection (select Qs & As): <http://www.who.int/emf>

### **United Kingdom, National Radiological Protection Board:**

<http://www.nrpb.org.uk>

### **Cellular Telecommunications Industry Association (CTIA):**

<http://www.wow-com.com>

### **U.S. Food and Drug Administration (FDA)**

Center for Devices and Radiological Health: <http://www.fda.gov/cdrh/consumer/>

## **Glossary**

### **Airtime**

Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

### **Antenna**

A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

### **Call Barring**

Ability to restrict outgoing and incoming calls.

### **Call Forwarding**

Ability to reroute calls to another mobile or fixed line.

### **Call Swapping**

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

### **Call Waiting**

Ability to inform users that they have an incoming call when engaged on another call.

### **DTMF**

(Dual-tone Modulated Frequency ) You send DTMF signals when you enter numbers by pressing the digit keys.

### **Hands-Free**

A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.







### **CDMA (Code Divided Multiple Access)**

One of International standard for cellular communication and it covers some part of China and many other parts of the world including Korea.

### **LCD (Liquid Crystal Display)**

Commonly used to refer to the screen display on the wireless phone.

### **LED (Light Emitting Diode)**

Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.

### **Line Identification Services**

Service allowing subscribers to view or block the telephone numbers of callers.

### **PIN (Personal Identification Number)**

Security code that protects the phone against unauthorized use. The PIN is supplied by the service provider with the RUIM card. It may be a four to eight-digit number and can be changed, as required.

### **PUK (PIN Unblocking Key)**

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the RUIM card.

### **Roaming**

Use of your phone when you are outside your home area (when traveling for example).

### **RUIM (Removable User Identification Module)**

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The RUIM card fits into a small slot on the back of the phone and is protected by the battery.

### **SMS (Short Message Service)**

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received (up to 160 characters long) can be displayed, received, edited or sent.

### **Soft Keys**

The purpose of which:

1. Varies according to the function that you are currently using.
2. Is indicated on the bottom line of the display just above the corresponding key.

### **Voice Message**

Computerized answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

### **Wireless**

Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.





## Warranty Statement

The supplier warrants the cellular telephone and its accessories against defects in material and workmanship under normal use and service for the period of one year from the date of purchase. Such defect will be repaired or replaced (with new or rebuilt parts), at the supplier's option, without charge for parts or labor directly to the defects.

### Length of Warranty

The supplier's all cellular phones and accessories carry standard warranty of one year from the date of purchase based on proof of purchase. However, the length of battery warranty is 6 months.

### What this Warranty Covers

This warranty covers only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/user. This warranty covers normal wear and tear of the electronic portion of the cellular phone. Any defects, malfunctions, performance failures under normal condition is covered under this warranty.

### What this Warranty Does Not Cover

This warranty does not cover any failure of equipment not provided by the supplier who is designated by Synertek. This warranty does not cover defects, malfunctions and performance failure or damages to the unit resulting from use in other than its normal and customary manner, serial number defacement, improper installation, excessive temperature or humidity, environmental conditions, mishandling, misuse, water damage, accident or neglect, the use of non-conforming parts, or improper alterations or repairs. Also, this warranty does not apply to fuses. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use. Breakage or damage to antenna unless caused directly by defects in material or workmanship.

## How to Get Warranty Service

To obtain repairs or replacement within the terms of this warranty, the product should be delivered with proof of warranty of coverage, specification of defects, transportation prepaid, to any supplier's authorized service facility. For information, either contact the store from which your purchased the product, or call the number stated below.

**The supplier :**

**Name :**

**Address :**

**Tel. / Fax. :**

This warranty extents only to the full purchase price of the product purchase from the supplier. The company's liability is limited only to replacement or repair of the product purchased.



